

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	9	US-5222014-\$.DID. OR US-6787916-\$.DID. OR US-6493229-\$.DID. OR US-6369448-\$.DID. OR US-6051878-\$.DID. OR US-6025648-\$.DID. OR US-6120855-\$.DID. OR US-5755374-\$.DID. OR US-6670264-\$.DID. OR US-5973392-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/11 14:16
S2	0	(differ\$3 or var\$4 or chang\$3 or inreas\$3 or decreas@3) adj (volume or area) adj (electrode or contact or connection) and @ad<"20030324" and 257/686. CCLS.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/11 14:23
S3	1	(differ\$3 or var\$4 or chang\$3 or inreas\$3 or decreas@3) adj (volume or area or size or length) adj (electrode or contact or connection) and @ad<"20030324" and 257/686.CCLS.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/11 14:26
S4	105	(differ\$3 or var\$4 or chang\$3 or inreas\$3 or decreas@3) adj (volume or area or size or length) adj (lead or electrode or contact or connection) and @ad<"20030324" and "257".CLAS.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/11 14:31
S5	8	(differ\$3 or var\$4 or chang\$3 or inreas\$3 or decreas@3) adj (volume or area or size or length) adj (lead or electrode or contact or connection) and package and flip\$5 and @ad<"20030324" and "257". CLAS.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/11 16:46
S6	38	(differ\$3 or var\$4 or chang\$3 or inreas\$3 or decreas@3) near (volume or area or size or length) near (lead or electrode or contact or connection) and package and flip\$5 and @ad<"20030324" and "257".CLAS.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/11 15:24
S7	246	228/175,178,179.1,180.1,180.21, 180.22.ccls. and (bump ball) with (differ\$3 vari\$3 chang\$3 increas\$3 decreas\$3) with (height length size area volume)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/11 16:54

EAST Search History

S8	229	228/175,178,179.1,180.1,180.21,180.22.ccls. and (bump ball) with (differ\$3 vari\$3 chang\$3 increas\$3 decreas\$3) with (height length size area volume) and @ad<"20030324"	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/12 08:40
S9	34	228/175,178,179.1,180.1,180.21,180.22.ccls. and (bump ball) with (differ\$3 vari\$3 chang\$3 increas\$3 decreas\$3) with (height length size area volume) and @ad<"20030324" and 257/738,777,778,779,780,787.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/12 08:41
S10	14	228/175,178,179.1,180.1,180.21,180.22.ccls. and (bump ball) with (differ\$3 vari\$3 chang\$3 increas\$3 decreas\$3) with (height length size area volume) and @ad<"20030324" and 257/738,777,778,779,780,787.ccls. and 438/108,613.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/17 07:39
S14	52	"5432358" "6707161" "6396116"	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/12 08:59
S15	8	("3871015" "5266520" "6020561" "6066551").PN. OR ("6444563").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/12 09:40
S17	51	("6020561").URPN. and @ad<"20030324"	USPAT	OR	ON	2005/08/12 09:43
S18	170	("5222014").URPN.	USPAT	OR	ON	2005/08/12 09:51
S19	164	("5222014").URPN. and @ad<"20030324"	USPAT	OR	ON	2005/08/12 09:53
S20	17	(differ\$3 or var\$4 or chang\$3 or increas\$3 or decreas@3) with (volume or area or size or length) with (bump ball lead or electrode or contact or connection) and ("5222014").URPN. and @ad<"20030324"	USPAT	OR	ON	2005/08/12 10:46
S21	0	(differ\$3 or var\$4 or chang\$3 or increas\$3 or decreas@3) with (volume or area or size or length) with (bump ball lead or electrode or contact or connection) and ("6396116").URPN. and @ad<"20030324"	USPAT	OR	ON	2005/09/27 13:32

EAST Search History

S22	0	(differ\$3 or var\$4 or chang\$3 or increas\$3 or decreas@3) with (volume or area or size or length) with (bump ball lead or electrode or contact or connection) and ("6707161").URPN. and @ad<"20030324"	USPAT	OR	ON	2005/08/12 10:49
S23	0	(differ\$3 or var\$4 or chang\$3 or increas\$3 or decreas@3) with (volume or area or size or length) with (bump ball lead or electrode or contact or connection) and ("6444563").URPN. and @ad<"20030324"	USPAT	OR	ON	2005/08/12 11:53
S24	0	("2004/0262368").URPN.	USPAT	OR	ON	2005/08/12 10:54
S25	5	US-6045032-\$.DID. OR US-6769596-\$.DID. OR US-6685080-\$.DID. OR US-6564986-\$.DID. OR US-6288346-\$.DID.	USPAT	OR	ON	2005/08/12 11:55
S32	0	U5-20050008218 U5-20040262368 U5-20040179207 U5-20040056078 U5-20040014317 U5-20030170450	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/12 12:05
S33	6	"20050008218" "20040262368" "20040179207" "20040056078" "20040014317" "20030170450"	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/12 12:06
S34	23	("20020163355" "20020171133" "3735255" "4684884" "5059897" "5248967" "5347086" "5508228" "5998861" "6040530" "6104198" "6187418" "6208156" "6221682" "6284080" "6320201" "6326555" "6448506" "6452502" "6459161").PN. OR ("6564986"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/12 13:08
S35	0	228/175,178,179.1,180.1,180.21, 180.22.ccls. and (bump ball) with (differ\$3 vari\$3 chang\$3 increas\$3 decreas\$3) with (height length size area volume) and (interval distanc\$3)and "between package" and @ad<"20030324" and 257/738, 777,778,779,780,787.ccls. and 438/108,613.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/15 10:47

EAST Search History

S36	7	228/175,178,179.1,180.1,180.21,180.22.ccls. and (bump ball) with (differ\$3 vari\$3 chang\$3 increas\$3 decreas\$3) with (height length size area volume) and (interval distanc\$3) and @ad<"20030324" and 257/738,777,778,779,780,787.ccls. and 438/108,613.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/17 07:36
S38	23	(differ\$3 vari\$3 chang\$3 increas\$3 decreas\$3) with (height length size area volume interval) and ((second\$3 another) adj (package device chip)) and @ad<"20030324" and 257/738,777,778,779,780,787.ccls. and 438/108,613.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/17 07:43
S40	22	((second\$3 another) adj (package device chip)) and stack\$3 and @ad<"20030324" and 257/738,777,778,779,780,787.ccls. and 438/108,613.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/17 07:54
S42	12	((second\$3 another) adj (package device chip)) and (double triple) adj stack\$3 and @ad<"20030324" and "257".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/17 08:15
S43	63	((second\$3 another) adj (package device chip)) and (double triple) with stack\$3 and @ad<"20030324" and "257".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/17 08:15
S45	25	("6025648").URPN. and @ad<"20030324"	USPAT	OR	ON	2005/08/17 08:35
S46	0	"353272"	JPO	OR	ON	2005/09/27 13:12
S47	0	"JP-02353272-\$.DID"	JPO	OR	ON	2005/09/27 13:21
S48	0	"02353272"	JPO	OR	ON	2005/09/27 13:22
S49	1	"2002353272"	JPO	OR	ON	2005/09/27 13:23
S50	1	"2001223297"	JPO	OR	ON	2005/09/27 13:28
S51	1541	257/686,773-781.ccls. and @ad<"20030324"	JPO	OR	ON	2005/09/27 13:31
S52	7934	257/686,773-781.ccls. and @ad<"20030324"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 15:32
S53	1993	(differ\$3 or var\$4 or chang\$3 or increas\$3 or decreas@3) with (volume or area or size or length) and 257/686,773-781.ccls. and @ad<"20030324"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 13:36

EAST Search History

S54	593	(differ\$3 or var\$4 or chang\$3 or increas\$3 or decreas@3) with (volume or area or size or length) and (expan\$4 warp\$3) with (heat\$3 thermal) and 257/686,773-781.ccls. and @ad<"20030324"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 16:39
S55	9	("20020079567" "20020079568" "5994166" "6121689" "6137164" "6316838" "6437990").PN. OR ("6633078").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/28 08:23
S56	57	("5001542" "5363277" "5442240" "5710071" "5742100" "5751060" "5751068" "5770476" "5801072" "5801449" "5880530").PN. OR ("6121689").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/28 08:24
S57	12	("20020079568" "5986217" "5994166" "6121689" "6137164" "6271109" "6316838" "6396159" "6414384" "6417027" "6437990" "6518666").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/28 08:27
S58	5	("6184586" "6222277" "6225699" "6238949" "6252298").PN. OR ("6750549").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/28 10:01
S59	68	257/686,773-781.ccls. and @ad<"20030324" and (convex concave) near3 substrate	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 15:42
S61	77	"6,023,097" "6,025,650" "6,034,425" "6,288,445" 2002/0017709 "6,489,678" "6,573,119" "6,611,063" "6,627,991" "6,731,009" 2004/0222510 2004/0238954 "6,903,458"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 15:50
S62	3215	(convex concave) near3 substrate	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 16:02
S63	140	(convex concave) adj substrate	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 15:51
S64	940	(convex concave) near3 substrate and (contact electrode interconnect)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 16:02
S65	123	(convex concave) near3 substrate and (contact electrode interconnect) and (chip die package)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/08 16:03

EAST Search History

S66	3	"6654250"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 16:17
S67	11	("5280411" "5760465" "5812374" "6212074" "6367541" "6373717" "6392143" "6411513" "6417027").PN. OR ("6654250").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 16:17
S68	14	("4705360" "4792532" "5450283" "5563446" "5646446" "5811877" "5838061" "6051877").PN. OR ("6392143"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 16:19
S69	1260	@ad<"20030324" and (convex concave) near3 substrate and (contact electrode interconnect) and (chip die package)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 16:48
S70	297	@ad<"20030324" and ((convex concave) and substrate and (contact electrode interconnect) and (chip die package)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 17:10
S71	305	"6,882,232" "6,781,241" "6,774, 467" 2004/0135243 "6,586,832" "6, 507,098" 2003/0022465 "6,461, 881" "6,442,026" "6,404,049" 2002/0079568 "6,369,444" 2001/0015488 "6,239,383" "6,122, 171" "5,973,392" "5,834,848" "5, 120,678"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 17:16
S72	334	"5,222,014" "6,781,241" "6,787, 916" "6,493,229" "6,369,448" "6, 051,878" "6,025,648" "6,120,855" "5,755,374" "6,670,264" "5,973, 392"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 17:21
S75	10	("20020079567" "20020079568" "5994166" "6121689" "6137164" "6316838" "6437990").PN. OR ("6633078").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 11:59